

Abstract

Title:

Stereognosis assessment in the hands area of physiotherapy students.

Objectives of work:

The main objective of this dissertation is an evaluation of stereognosis functions of hands and also the influence from the practise of palpation skills on the stereognosis at a group of thirty physiotherapy students from the first-year bachelor's degree during two measurements at an interval of six months. Next aim is to compare results of these measurements and to evaluate potential changes.

Methods:

This dissertation work was made by form of clinical study. The evaluation criterion was time and perfection in performed tests. For the assessment of hand stereognosis at the research group were used 4 simple tests without using sight: test by Petrie - sort the balls by size, to recognise a foam made letters and to determine the roughness of sandpaper.

Results:

The results show that during the study of physiotherapy at students there has been a slight development in the stereognosis functions. The influence of somatosensory learning during the six months period helped to reduce the number of errors which have been made by probands while taking the assigned tests. Results indicate that regular and careful practise of palpation ability has a particular influence for development and improvement of stereognosis.

Keywords:

- stereognosis, physiotherapist, touch, grip